

DIVIDING FRACTIONS SHEET 1

To divide two fractions, follow these two simple steps:

- invert the divisor (swap the numerator and denominator of the second fraction) and change the division operator to a multiplication operator.
- multiply the two fractions together.

Example $\frac{3}{4} \div \frac{2}{7} = \frac{3}{4} \times \frac{7}{2} = \frac{21}{8}$

The second fraction has been inverted.



Work out these fraction divisions. Your answer can be left as an improper fraction and does not need to be in simplest form.

1) $\frac{2}{3} \div \frac{1}{2} = \frac{2}{3} \times \frac{2}{1} = \underline{\quad}$ 2) $\frac{3}{4} \div \frac{1}{3} = \frac{3}{4} \times \frac{3}{1} = \underline{\quad}$

3) $\frac{1}{5} \div \frac{1}{3} = \frac{1}{5} \times \frac{3}{1} = \underline{\quad}$ 4) $\frac{2}{5} \div \frac{2}{3} = \frac{2}{5} \times \underline{\quad} = \underline{\quad}$

5) $\frac{3}{8} \div \frac{2}{5} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$ 6) $\frac{1}{7} \div \frac{4}{9} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

7) $\frac{3}{8} \div \frac{2}{9} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$ 8) $\frac{4}{5} \div \frac{1}{7} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

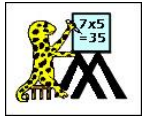
9) $\frac{4}{9} \div \frac{3}{10} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$ 10) $\frac{5}{12} \div \frac{3}{7} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

11) $\frac{2}{7} \div \frac{6}{11} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$ 12) $\frac{4}{5} \div \frac{7}{10} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

13) $\frac{4}{5} \div \frac{3}{8} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$ 14) $\frac{2}{9} \div \frac{3}{10} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

Name

Date



DIVIDING FRACTIONS SHEET 1 ANSWERS

$$1) \frac{2}{3} \div \frac{1}{2} = \frac{2}{3} \times \frac{2}{1} = \frac{4}{3} \quad 2) \frac{3}{4} \div \frac{1}{3} = \frac{3}{4} \times \frac{3}{1} = \frac{9}{4}$$

$$3) \frac{1}{5} \div \frac{1}{3} = \frac{1}{5} \times \frac{3}{1} = \frac{3}{5} \quad 4) \frac{2}{5} \div \frac{2}{3} = \frac{2}{5} \times \frac{3}{2} = \frac{6}{10}$$

$$5) \frac{3}{8} \div \frac{2}{5} = \frac{3}{8} \times \frac{5}{2} = \frac{15}{16} \quad 6) \frac{1}{7} \div \frac{4}{9} = \frac{1}{7} \times \frac{9}{4} = \frac{9}{28}$$

$$7) \frac{3}{8} \div \frac{2}{9} = \frac{3}{8} \times \frac{9}{2} = \frac{27}{16} \quad 8) \frac{4}{5} \div \frac{1}{7} = \frac{4}{5} \times \frac{7}{1} = \frac{28}{5}$$

$$9) \frac{4}{9} \div \frac{3}{10} = \frac{4}{9} \times \frac{10}{3} = \frac{40}{27} \quad 10) \frac{5}{12} \div \frac{3}{7} = \frac{5}{12} \times \frac{7}{3} = \frac{35}{36}$$

$$11) \frac{2}{7} \div \frac{6}{11} = \frac{2}{7} \times \frac{11}{6} = \frac{22}{42} \quad 12) \frac{4}{5} \div \frac{7}{10} = \frac{4}{5} \times \frac{10}{7} = \frac{40}{35}$$

$$13) \frac{4}{5} \div \frac{3}{8} = \frac{4}{5} \times \frac{8}{3} = \frac{32}{15} \quad 14) \frac{2}{9} \div \frac{3}{10} = \frac{2}{9} \times \frac{10}{3} = \frac{20}{27}$$